

WHAT IS CLAIMED IS:

1. A system for statistically processing messages comprising:

a message compiler for compiling upstream and downstream messages of a network controller;

5 a database for storing data;

a message storage unit for storing the messages in the database when an amount of the messages compiled in the message compiler reaches a predetermined level;

a statistical function handler for performing statistical processes on the messages stored in the database according to functions designated by a user; and

a statistical result value storage unit for converting the results from the processes performed by the statistical function handler into a file of a predetermined format, then storing the file as a target table in the database.

2. The system of claim 1 wherein the file of a predetermined format is a structural document format of an extensible markup language (XML) file.

3. The system of claim 1 further comprising a main memory in which results of the statistical processes performed by the statistical function handler are stored.

20 4. The system of claim 1 wherein the message storage unit, if the amount of messages compiled in the message compiler reaches the predetermined level, divides the compiled messages into downstream and upstream messages and performs storage by converting them into a database format according to the

division.

5. The system of claim 2 further comprising a file system for storing the XML file generated in the statistical result value storage unit.

6. The system of claim 5 further comprising:

5 an input unit for receiving user input;

an administrator interface enabling monitoring of the target table stored in the database and the XML file stored in the file system according to user input; and

a reference unit for executing data of the target table stored in the database to allow monitoring by the user.

7. A method for statistically processing messages transmitted and received between a Headend, including a network controller for controlling network paths, for providing cable broadcasting and a receiver connected to the Headend through a cable network, the method comprising:

compiling messages transmitted and received through the network controller, separating the compiled messages into downstream and upstream messages, and performing storage by converting into a database format according to the divided items;

performing statistical processes according to statistical processing function execution periods established through an administrator interface based on the stored data, and storing results of the processes in a memory;

generating a file in a structural document format so as to fit the results file

generated for statistical processes to the administrator's viewpoint while a data structure of an original table is maintained, and thereby storing the data stored in the memory in a target table; and

5 parsing a file expressing generated statistical result data and storing values corresponding to elements as a target table.

8. The method of claim 7 further comprising monitoring an XML file of the generated structural document format to check statistical results.

9. The method of claim 7 further comprising executing the generated target table using a predetermined program to monitor statistical results.

10. The method of claim 7 wherein the structural document format is an XML file structure.